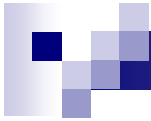




# Audit of Platelet Transfusion Requests at North Bristol NHS Trust

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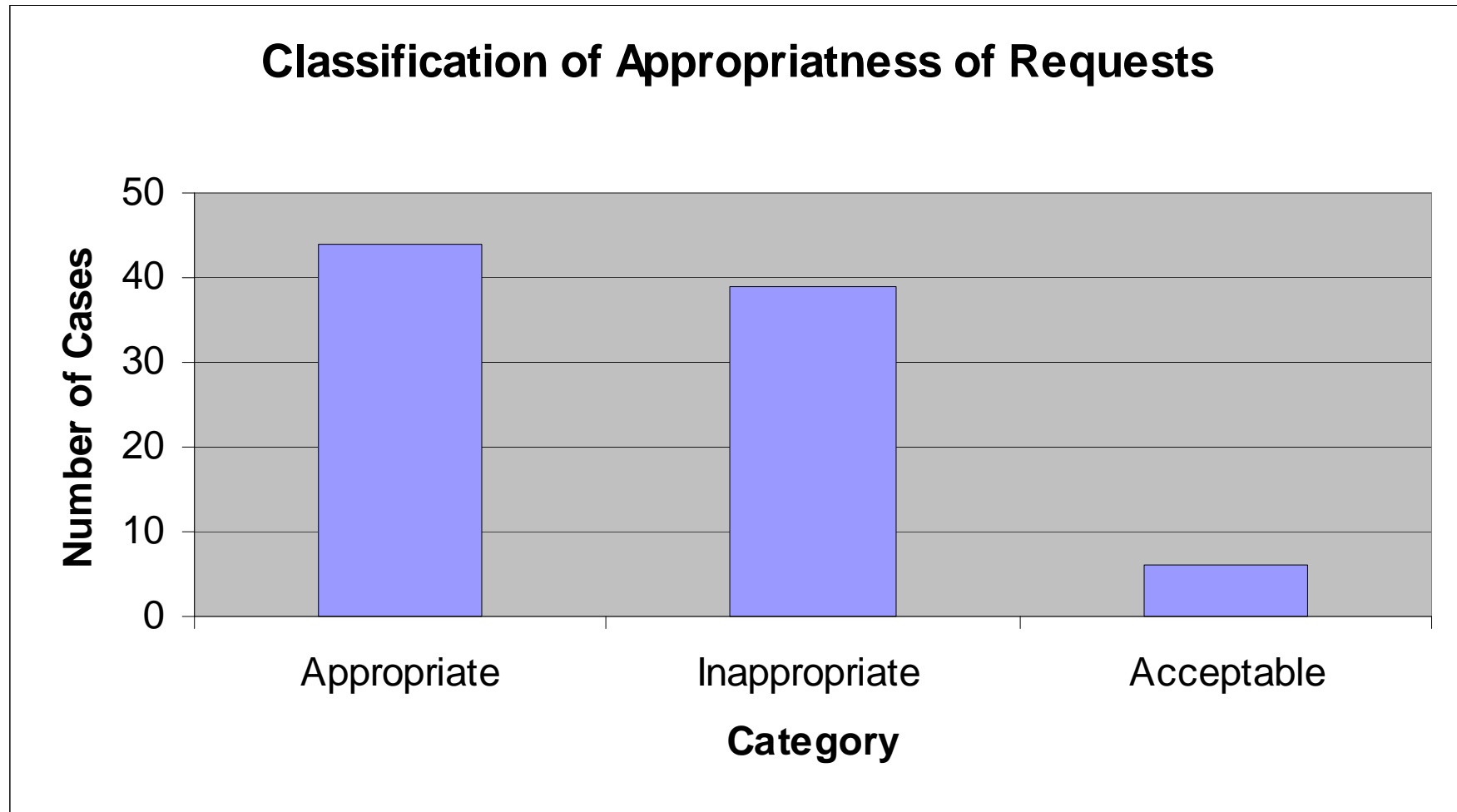
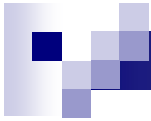
# Background and Method

- Patient Blood Management requires:
  - Local collection and analysis of blood use data
- Data prospectively collected October 2014 by transfusion laboratory
- Assess
  - compliance against guidelines
  - Medical time taken to complete audit



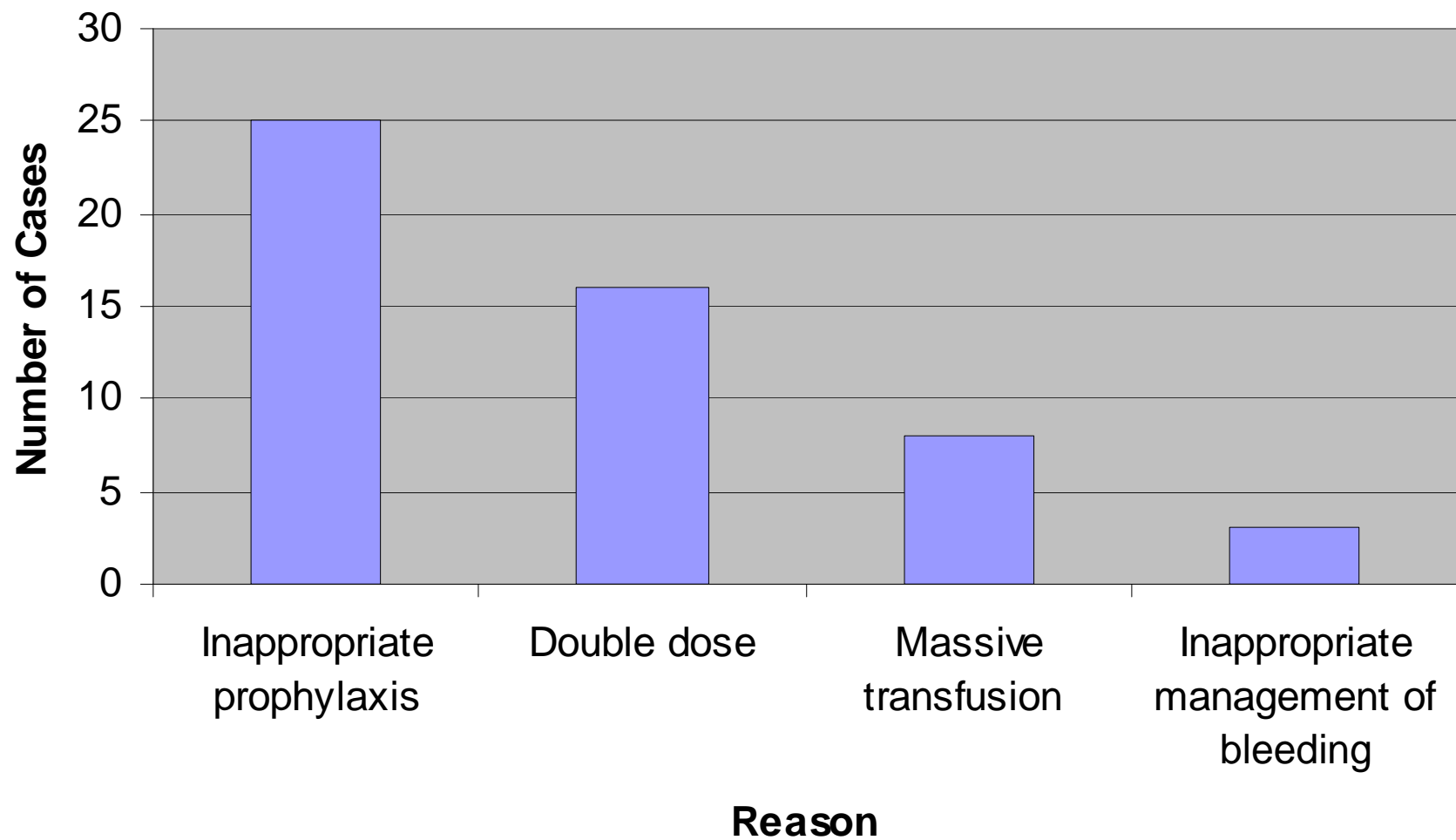
# Results

- 89 requests for 109 platelet concentrates (ATD) for 32 individual patients.
- 50% (55/109) of ATD were potentially used inappropriately.
  - Inappropriate prophylactic use 31% (34/109).
- Medical time taken to audit - 32 hours.





## Reason Request Deemed Inappropriate





# Conclusions

- Improved use, especially for prophylaxis, would improve expenditure and risk to patients
  - In this audit £11440 could have been saved
- This method of data collection was:
  - labour intensive
  - did not directly target those making inappropriate requests
  - and would preclude re-audit because of medical time involved
- Electronic methods required to assess appropriateness at request and enable regular audit



# Recommendations

- Locally:
  - Findings have been presented at Trust Transfusion Committee meeting.
  - Findings to be presented to haematology clinical and scientific staff so current practice can be discussed and changes agreed.
  - Review NBT guidance for platelet transfusion in line with awaited British Committee for Standards in Haematology guidelines.
  - Ensure any changes secondary to above are cascaded to directorates.
- Locally and Regionally
  - Consider how further audit to identify change can be achieved.